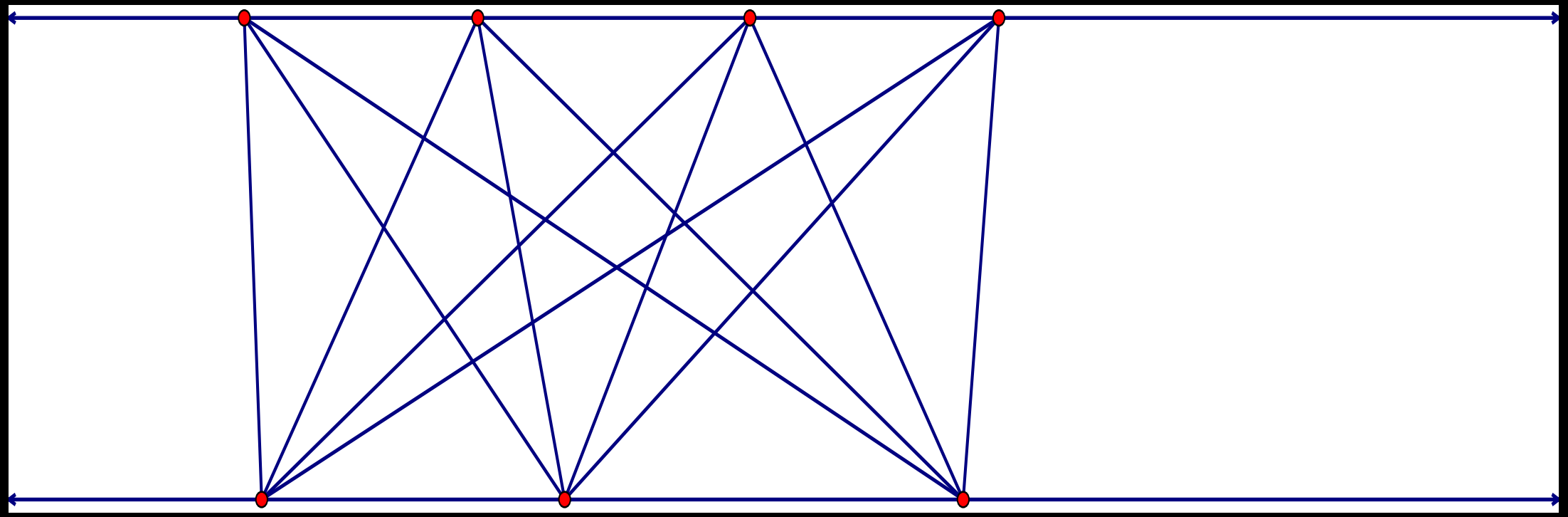

- Consider the diagram on the previous slide.
- What are some questions we could ask?

LINE MATH

- How many lines? What is 4 x 3 in line math?

INTERSECTION MATH

Ideas from James Tanton

INTERSECTION MATH

- How many intersections are there?
- What is 4 “x” 3 in intersection math?
- Is intersection math commutative?
- What is 2034 “x” 825 in intersection math?
- What is m “x” n?

RECTANGLE MATH

- How many rectangles can be formed from an m x n lattice assuming we are only counting rectangles that are vertical or horizontal?

DINNER PARTY MATH

- The product of two numbers in dinner party math is the number of combinations of four people. The four people must be two females and two males.
- What is m x n in dinner party math if m is the number of males and n is the number of females?

RELATIONSHIPS AND EXTENSIONS

- Are there any similarities within intersection math, rectangle math, and dinner party math? If so, why? If not, why not?
- What other questions can we ask?